Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070925\
Data File : VX046928.D
Acq On : 09 Jul 2025 13:45
Operator : JC/MD
Sample : Q2126-07 0.75PPB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 10 03:01:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070225W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 10 02:52:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
LOD-MDL-WATER-01-QT2-2025

Manual Integrations APPROVED

Reviewed By :John Carlone 07/10/2025
Supervised By :Mahesh Dadoda 07/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.556	168	341153	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.763	114	568844	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	518466	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	267613	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.958	65	250312	55.539	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.080%				
35) Dibromofluoromethane	5.391	113	207698	53.789	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.580%				
50) Toluene-d8	8.646	98	714380	52.437	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.880%				
62) 4-Bromofluorobenzene	11.079	95	282469	54.554	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.100%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.184	85	2184	0.669	ug/l		98
3) Chloromethane	1.306	50	2677	0.751	ug/l		97
4) Vinyl Chloride	1.392	62	3050	0.786	ug/l		89
5) Bromomethane	1.629	94	2205	0.884	ug/l		93
6) Chloroethane	1.703	64	2261	0.882	ug/l	#	83
7) Trichlorofluoromethane	1.910	101	4700	0.783	ug/l		98
8) Diethyl Ether	2.148	74	1585	0.742	ug/l		81
9) 1,1,2-Trichlorotrifluo...	2.343	101	2290	0.599	ug/l	#	75
10) Methyl Iodide	2.471	142	2990	0.718	ug/l		98
11) Tert butyl alcohol	2.958	59	1004m	3.397	ug/l		
12) 1,1-Dichloroethene	2.337	96	2560	0.692	ug/l		90
13) Acrolein	2.251	56	1454	4.119	ug/l	#	80
14) Allyl chloride	2.678	41	4808	0.730	ug/l		97
15) Acrylonitrile	3.086	53	5852	3.424	ug/l		97
16) Acetone	2.385	43	5727	4.091	ug/l		95
17) Carbon Disulfide	2.526	76	7812	0.805	ug/l		98
18) Methyl Acetate	2.721	43	2828	0.766	ug/l		96
19) Methyl tert-butyl Ether	3.123	73	7853	0.752	ug/l		99
20) Methylene Chloride	2.800	84	32142	7.764	ug/l		97
21) trans-1,2-Dichloroethene	3.111	96	3082	0.814	ug/l	#	75
22) Diisopropyl ether	3.763	45	9425	0.741	ug/l	#	37
23) Vinyl Acetate	3.739	43	31669	3.322	ug/l		96
24) 1,1-Dichloroethane	3.623	63	5555	0.765	ug/l		97
25) 2-Butanone	4.617	43	6841m	3.663	ug/l		
26) 2,2-Dichloropropane	4.483	77	3973	0.736	ug/l	#	76
27) cis-1,2-Dichloroethene	4.501	96	3326	0.720	ug/l		84
28) Bromochloromethane	4.915	49	2599	0.726	ug/l	#	95
29) Tetrahydrofuran	5.019	42	4103	3.446	ug/l	#	45
30) Chloroform	5.110	83	6051	0.816	ug/l	#	76
31) Cyclohexane	5.482	56	5392	0.837	ug/l	#	84
32) 1,1,1-Trichloroethane	5.391	97	5226	0.844	ug/l	#	52
36) 1,1-Dichloropropene	5.714	75	4492	0.862	ug/l		84
37) Ethyl Acetate	4.781	43	4266m	0.961	ug/l		
38) Carbon Tetrachloride	5.684	117	5099	0.926	ug/l	#	70
39) Methylcyclohexane	7.378	83	4616	0.708	ug/l	#	93
40) Benzene	6.043	78	11435	0.726	ug/l		95

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41) Methacrylonitrile	4.952	41	1671m	0.706 ug/l		
42) 1,2-Dichloroethane	6.098	62	4749	0.888 ug/l		95
43) Isopropyl Acetate	6.354	43	4300	0.633 ug/l	#	76
44) Trichloroethene	7.141	130	3254	0.793 ug/l		74
45) 1,2-Dichloropropane	7.433	63	3023	0.759 ug/l	#	84
46) Dibromomethane	7.598	93	2231	0.809 ug/l		92
47) Bromodichloromethane	7.829	83	4543	0.771 ug/l	#	92
48) Methyl methacrylate	7.726	41	2956m	0.842 ug/l		
49) 1,4-Dioxane	7.689	88	543m	13.354 ug/l		
51) 4-Methyl-2-Pentanone	8.579	43	13707	3.417 ug/l		94
52) Toluene	8.720	92	7563	0.775 ug/l		100
53) t-1,3-Dichloropropene	8.988	75	3578	0.681 ug/l	#	79
54) cis-1,3-Dichloropropene	8.372	75	3899	0.650 ug/l		97
55) 1,1,2-Trichloroethane	9.159	97	2672	0.735 ug/l	#	92
56) Ethyl methacrylate	9.134	69	3060	0.608 ug/l	#	85
57) 1,3-Dichloropropane	9.311	76	4829	0.771 ug/l		100
58) 2-Chloroethyl Vinyl ether	8.250	63	9196	3.242 ug/l		97
59) 2-Hexanone	9.445	43	9332m	3.508 ug/l		
60) Dibromochloromethane	9.524	129	3136	0.720 ug/l		99
61) 1,2-Dibromoethane	9.616	107	2608	0.714 ug/l		96
64) Tetrachloroethene	9.274	164	2870	0.831 ug/l		90
65) Chlorobenzene	10.079	112	9548	0.852 ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.164	131	2870	0.762 ug/l	#	65
67) Ethyl Benzene	10.195	91	14056	0.732 ug/l		96
68) m/p-Xylenes	10.305	106	10717	1.482 ug/l		97
69) o-Xylene	10.640	106	5154	0.738 ug/l		94
70) Styrene	10.664	104	7637	0.639 ug/l		90
71) Bromoform	10.805	173	2324	0.829 ug/l	#	92
73) Isopropylbenzene	10.963	105	13115	0.697 ug/l		97
74) N-amyl acetate	10.847	43	4383	0.686 ug/l	#	92
75) 1,1,2,2-Tetrachloroethane	11.213	83	3860	0.746 ug/l		99
76) 1,2,3-Trichloropropane	11.243	75	2476m	0.599 ug/l		
77) Bromobenzene	11.195	156	3663	0.782 ug/l		98
78) n-propylbenzene	11.304	91	16390	0.723 ug/l		97
79) 2-Chlorotoluene	11.365	91	9616	0.718 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	10923	0.715 ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	635m	0.412 ug/l		
82) 4-Chlorotoluene	11.457	91	12039	0.779 ug/l		98
83) tert-Butylbenzene	11.713	119	10308	0.653 ug/l		91
84) 1,2,4-Trimethylbenzene	11.749	105	10704	0.693 ug/l		96
85) sec-Butylbenzene	11.890	105	14101	0.708 ug/l		99
86) p-Isopropyltoluene	12.012	119	11425	0.685 ug/l		90
87) 1,3-Dichlorobenzene	11.969	146	6825	0.779 ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	7706m	0.845 ug/l		
89) n-Butylbenzene	12.335	91	10525	0.672 ug/l		98
90) Hexachloroethane	12.536	117	2087	0.706 ug/l		93
91) 1,2-Dichlorobenzene	12.335	146	6290	0.741 ug/l		93
92) 1,2-Dibromo-3-Chloropr...	12.944	75	555	0.613 ug/l		97
93) 1,2,4-Trichlorobenzene	13.591	180	4252	0.737 ug/l		96
94) Hexachlorobutadiene	13.725	225	1817	0.835 ug/l		96
95) Naphthalene	13.780	128	8999	0.592 ug/l		95
96) 1,2,3-Trichlorobenzene	13.963	180	3943	0.723 ug/l		99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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